

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-331 (canceled)

332. (currently amended) A method of treating cancer in a mammal having a tumor comprising administering ~~systemically~~ intravenously to said mammal more than one dose of a live purified Newcastle Disease Virus in an amount sufficient to cause tumor regression.

333. (previously presented) A method as in claim 332 wherein said tumor is selected from the group consisting of: lung carcinoma, breast carcinoma, prostate carcinoma, colon adenocarcinoma, cervical carcinoma, endometrial carcinoma, ovarian carcinoma, bladder carcinoma, Wilm's tumor, fibrosarcoma, osteosarcoma, melanoma, synovial sarcoma, neuroblastoma and glioblastoma.

334. (previously presented) A method as in claim 332 wherein said tumor is a colon adenocarcinoma.

335. (previously presented) A method as in claim 332 wherein said tumor is a melanoma.

336. (previously presented) A method as in claim 332 wherein said tumor is a neuroblastoma.

337. (previously presented) A method as in claim 332 wherein said Newcastle Disease Virus is strain Mass MK107.

338. (previously presented) A method as in claim 332 wherein said Newcastle Disease Virus is strain 73-T.

339-341. (canceled)

342. (currently amended) A method as in claim 332 wherein the amount of Newcastle Disease Virus administered ~~systemically~~ intravenously is about 4×10^{10} to 4×10^{12} PFU/kg.

343-351. (canceled)

352. (currently amended) A method as in claim ~~343~~ 332 wherein the Newcastle Disease Virus is administered ~~systemically~~ intravenously in an amount of about 4×10^9 PFU/kg 10^8 PFU.

353-366 (canceled)

367. (new) A method according to claim 332 further comprising administering a chemotherapeutic agent.

368. (new) A method as in claim 367 where the chemotherapeutic agent is selected from the group consisting of thiotepa, busulfan, cyclophosphamide, methotrexate, cytarabine, bleomycin, cisplatin, doxorubicin, melphalan, mercaptopurine, vinblastine, 5-fluorouracil, taxol, and retinoic acid.

369. (new) A method as in claim 368 where the chemotherapeutic agent is 5-fluorouracil.

370. (new) A method according to claim 332 further comprising administering an immunosuppressive agent.

371. (new) A method as in claim 370 wherein said immunosuppressive agent is a corticosteroid.

372. (new) A method according to claim 332 further comprising administering a cytotoxic or cytostatic agent.

373. (new) A method as in claim 372 wherein said cytotoxic or cytostatic agent is an antibody.

374. (new) A method as in claim 372 wherein said cytotoxic or cytostatic agent is a cytokine.

375. (new) A method of treating cancer in a mammal having a tumor comprising administering systemically to said mammal more than one dose of a composition consisting essentially of a live Newcastle Disease Virus in an amount sufficient to cause tumor regression.

376. (new) A method as in claim 375 wherein said tumor is a colon adenocarcinoma.

377. (new) A method as in claim 375 wherein said tumor is a melanoma.

378. (new) A method as in claim 375 wherein said tumor is a neuroblastoma.

379. (new) A method as in claim 375 wherein said tumor is cervical carcinoma.

380. (new) A method as in claim 375 wherein said Newcastle Disease Virus is strain Mass MK107.

381. (new) A method as in claim 375 wherein the Newcastle Disease Virus is administered intravenously.

382. (new) A method as in claim 381 wherein the Newcastle Disease Virus is administered intravenously in an amount of about 10^8 PFU.

383. (new) A method according to claim 375, further comprising administering a chemotherapeutic agent..

384. (new) A method according to claim 332, wherein said Newcastle Disease Virus is essentially free of allantoic fluid.

385. (new) A method according to claim 332, wherein said Newcastle Disease Virus is essentially free of red cells, embryonic membranes and egg shell debris.

386. (new) A method according to claims 332, wherein said Newcastle Disease Virus is purified from cell culture.

387. (new) A method as in claim 332 wherein said tumor is cervical carcinoma.

388. (new) A method of treating cancer in a mammal having a tumor comprising administering systemically to said mammal a composition comprising a live purified Newcastle Disease Virus in an amount of about 4×10^{10} to 4×10^{12} PFU/kg sufficient to cause tumor regression.

389. (new) A method of treating cancer in a mammal having a tumor comprising administering systemically to said mammal a live purified Newcastle Disease Virus and a chemotherapeutic agent in an amount sufficient to cause tumor regression.

390. (new) A method as in claim 389 where the chemotherapeutic agent is selected from the group consisting of thiotepa, busulfan, cyclophosphamide, methotrexate, cytarabine, bleomycin, cisplatin, doxorubicin, melphalan, mercaptopurine, vinblastine, 5-fluorouracil, taxol, and retinoic acid.

391. (new) A method as in claim 390 where the chemotherapeutic agent is 5-fluorouracil.

392. (new) A method according to claim 332, 388 or 389 wherein said Newcastle Disease Virus is in the form of a composition which consists essentially of Newcastle Disease Virus.

393. (new) A method according to claim 332, 388 or 389 wherein said Newcastle Disease Virus is in the form of a composition also comprising a pharmaceutically acceptable carrier.

394. (new) A method according to claim 332, 375, 388 or 389 wherein said tumor is a human tumor.

395. (new) A method according to claim 332, 375, 388 or 389 wherein said tumor is greater than 0.6 cm in diameter.

396. (new) A method according to claim 332, 375, 388 or 389 wherein said tumor is a metastatic tumor.

397. (new) A method according to claim 332, 375 or 388 wherein said amount administered is sufficient to cause complete tumor regression.

398. (new) A method as in claim 332, 375, 388 or 389 wherein said Newcastle Disease Virus is a strain of moderate virulence.

399. (new) A method according to claim 332, 375, 388 or 389 further comprising administering radiation.

400. (new) A method according to claim 388 or 389 wherein said Newcastle Disease Virus is essentially free of allantoic fluid.

401. (new) A method according to claim 388 or 389 wherein said Newcastle Disease Virus is essentially free of red cells, embryonic membranes and egg shell debris.

402. (new) A method according to claims 388 or 389 wherein said Newcastle Disease Virus is purified from cell culture.

403. (new) A method according to claims 332, 375, 388 or 389 wherein said administering step causes tumor regression.